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APPLICATION NO.	FII	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/611,578	07/01/2003		Anthony M. Chiu	02-C-088	5204
30425	7590	07/13/2004		EXAMINER	
STMICROE	ELECTRO	ONICS, INC.	BERRY, RENEE R		
MAIL STAT			ART UNIT	PAPER NUMBER	
CARROLLTON, TX 75006				2818	

DATE MAILED: 07/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/611,578	CHIU, ANTHONY M.					
Office Action Summary	Examiner	Art Unit					
	Renee R Berry	2818					
The MAILING DATE of this communication ap Period for Reply	ppears on the cover she t with the	correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPI THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statur Any reply received by the Office later than three months after the mailinearned patent term adjustment. See 37 CFR 1.704(b).	.136(a). In no event, however, may a reply be ti ply within the statutory minimum of thirty (30) da I will apply and will expire SIX (6) MONTHS fror te, cause the application to become ABANDON	imely filed sys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 15	Anril 2004.						
	is action is non-final.						
3) Since this application is in condition for allows							
Disposition of Claims							
4) ☐ Claim(s) 1-22 is/are pending in the application 4a) Of the above claim(s) 7-22 is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-6 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/	vn from consideration.						
Application Papers							
9)☐ The specification is objected to by the Examin	er.						
10)☐ The drawing(s) filed on is/are: a)☐ ac) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the	- · · · · · · · · · · · · · · · · · · ·						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	nts have been received. Its have been received in Applica Ority documents have been receive Au (PCT Rule 17.2(a)).	tion No ved in this National Stage					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summar Paper No(s)/Mail [
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 		Patent Application (PTO-152)					

DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of Group I in the reply filed on April 15, 2004 is acknowledged.

Claims 7-22 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on April 15, 2004.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Patent No. 6,478,212 to Engel.

In regards to claim 1, Engel teaches a method for fabricating a structure for receiving a wire bond, said method comprising the steps of: fabricating a substrate material having portions that form a substrate cavity within said substrate material; filling said substrate cavity with portions of a wire bond pad to form a wire bond cavity in said

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wire bond pad; and covering edge portions of said wire bond pad with passivation material at column 5, lines 18-25.

In regards to claim 2, Engel teaches the method as set forth in claim 1 further comprising the step fabricating said wire bond cavity with portions that form at least one side of said wire bond cavity at column 5, lines 18-25.

In regards to claim 3, Engel teaches the method as set forth in claim 1 further comprising the step of fabricating said wire bond cavity with portions that form a wire bond cavity having a cross sectional shape that is one of: circular, oval, square, rectangular and irregular at column 5, lines 33-34 and 40-44.

In regards to claim 4, Engel teaches a method of wirebonding a wire to a structure for receiving a wire bond, said method comprising the steps of: fabricating substrate material having portions that form substrate cavity within said substrate material; filling said substrate cavity with portions of a wire bond pad to form a wire bond cavity in said wire bond pad; covering edge portions said wire bond pad with passivation material; and wirebonding a ball on an end of said wire to said wire bond cavity at column 4, lines 46-58.

In regards to claim 5, Engel teaches the method as set the step of: fabricating said wire bond cavity with portions that form at least one side of said wire bond cavity at column 4, lines 60-64.

In regards to claim 6, Engel teaches the method as set forth in claim 4 further comprising the step of: fabricating said wire bond cavity with portions that form a wire

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bond cavity having a cross sectional shape that is one of: circular, oval, square,

rectangular and irregular at column 4, lines 19-30.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Renee R Berry whose telephone number is (571) 272-

1774. The examiner can normally be reached on M-F 9-5:30.

The fax phone number for the organization where this application or proceeding

is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

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published applications may be obtained from either Private PAIR or Public PAIR.

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

RRR

June 20, 2004

Ment

David Nelms

Supervisory Patent Examiner

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Technology Center 2800